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جامعة العلوم الطبية والتطبيقية

كلية / الطب البشري

الدفعة / الأولى

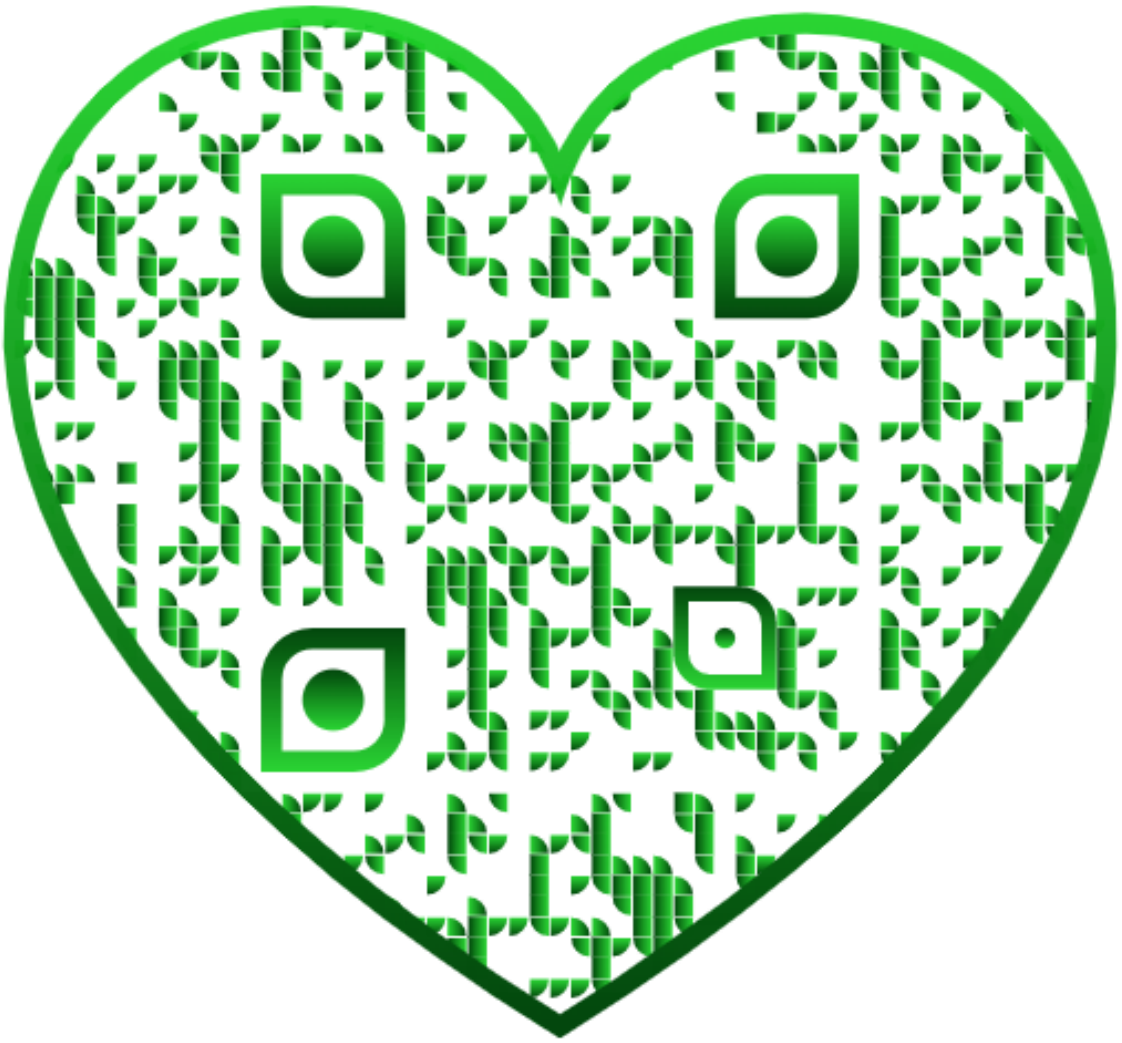
المجموعة / B3

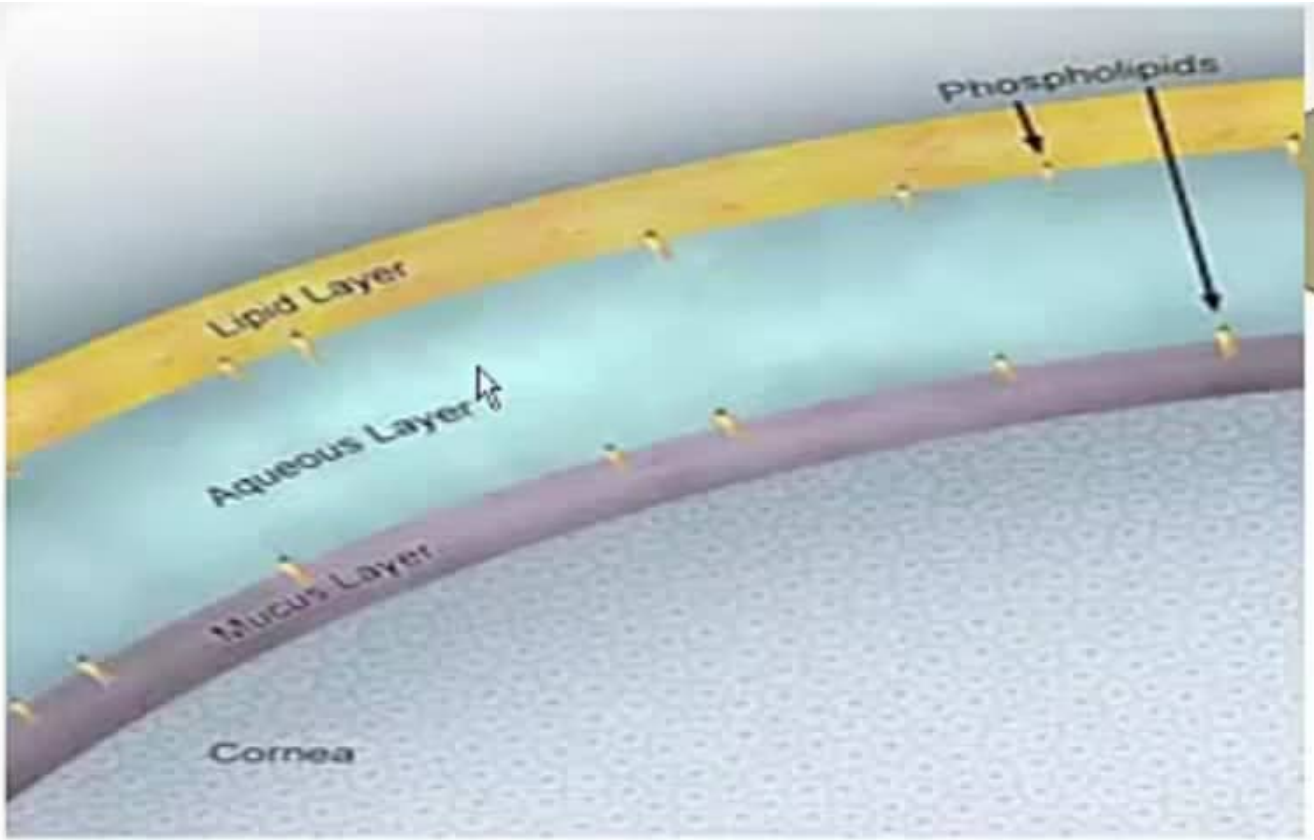
القسم / العيون (عملي)

تقديم محاضرة / Lacrimal System (عملي)

للدكتور / محمد سليط

تقديم وإعداد / محمد صالح العضاعي





1

- What is the function of Mucin layer of the tear film ?
- What is the function of Lipid layer of the tear film ?
- What is the function of Watery layer of the tear film ?

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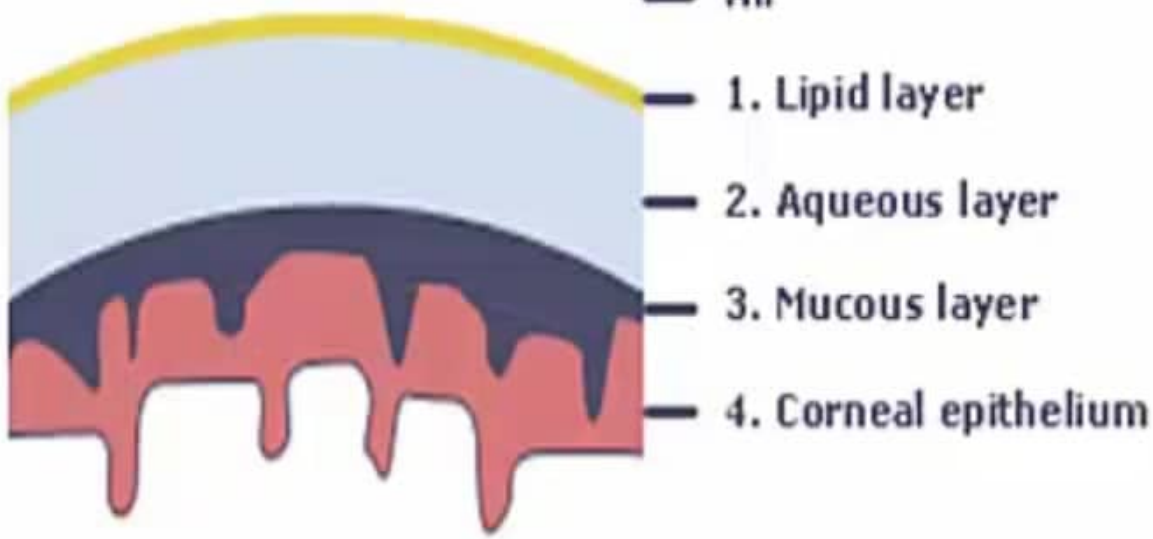
2



- The Mucin layer of tear film is produced by……
- The Lipid layer of tear film is produced by……
- The Watery layer of tear film is produced by……

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الممسوحة ضوئيا بـ CamScanner

3

- What do you call this test?
- Mention 3 causes of dry eye?

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4

- What is this test used for?
- What is the drug (dye) used to confirm the diagnosis?

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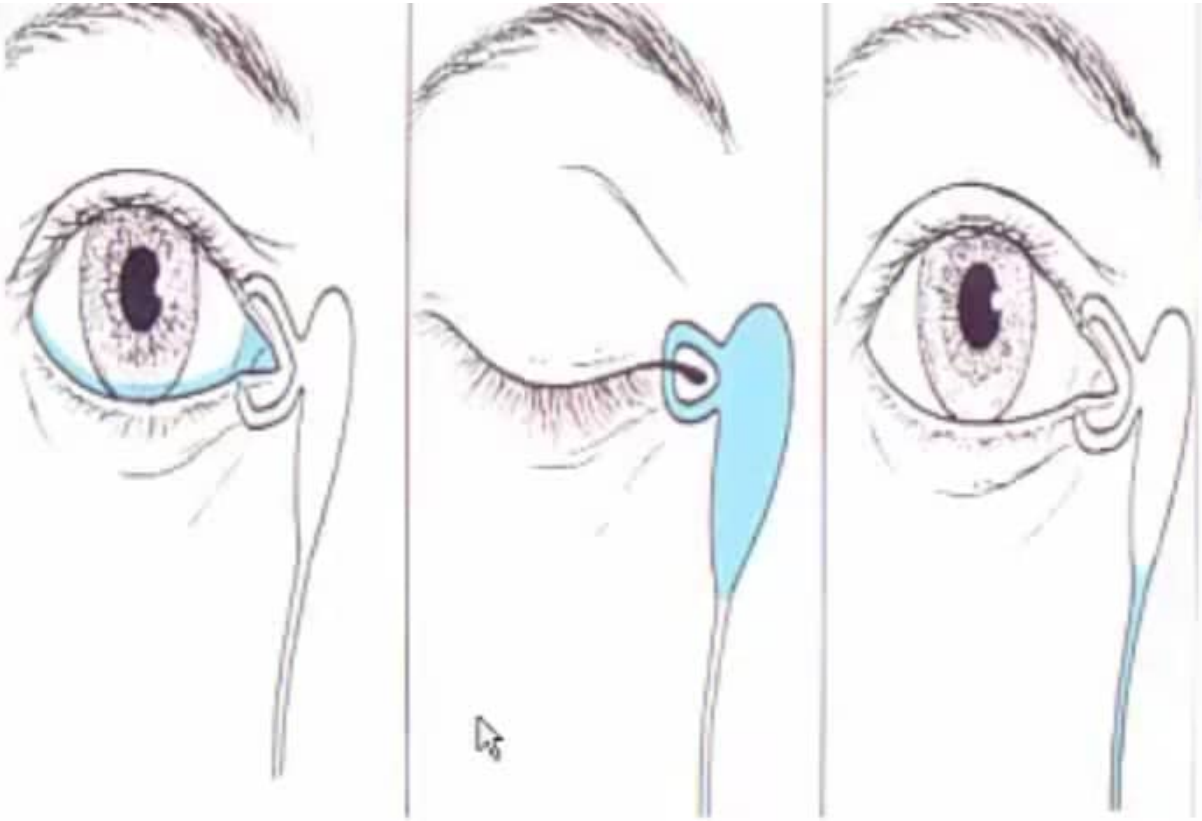

5

- Anatomically the NLD open in ……
- How to manage a baby aged six months presents with congenital obstruction of NLD ?

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6

❖What other steps you should do in treating a case of congenital Lacrimal duct obstruction ?
(The child aged one year)

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7

- What is the diagnosis?
- Describe the management briefly ?

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8

- Give me your diagnosis?
- Describe the management briefly ?

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9

What is the most common site of obstruction in chronic dacryocystitis in adult ?

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10

- What is the diagnosis?
- What is the treatment?

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- What is your diagnosis ?
- How you manage a case of congenital lacrimal duct obstruction?

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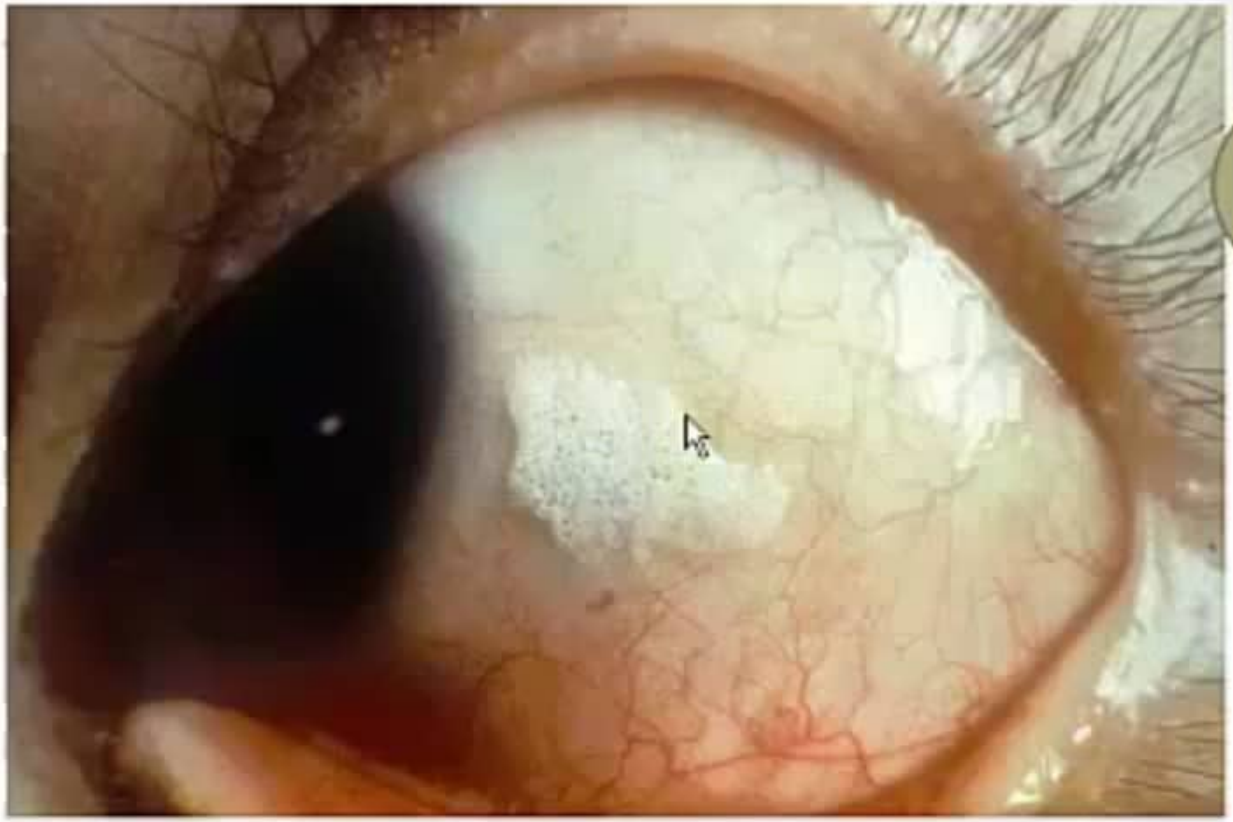
الممسوحة ضوئيا بـ CamScanner



12

- What is your finding?
- What is your diagnosis?
- How to manage this case?

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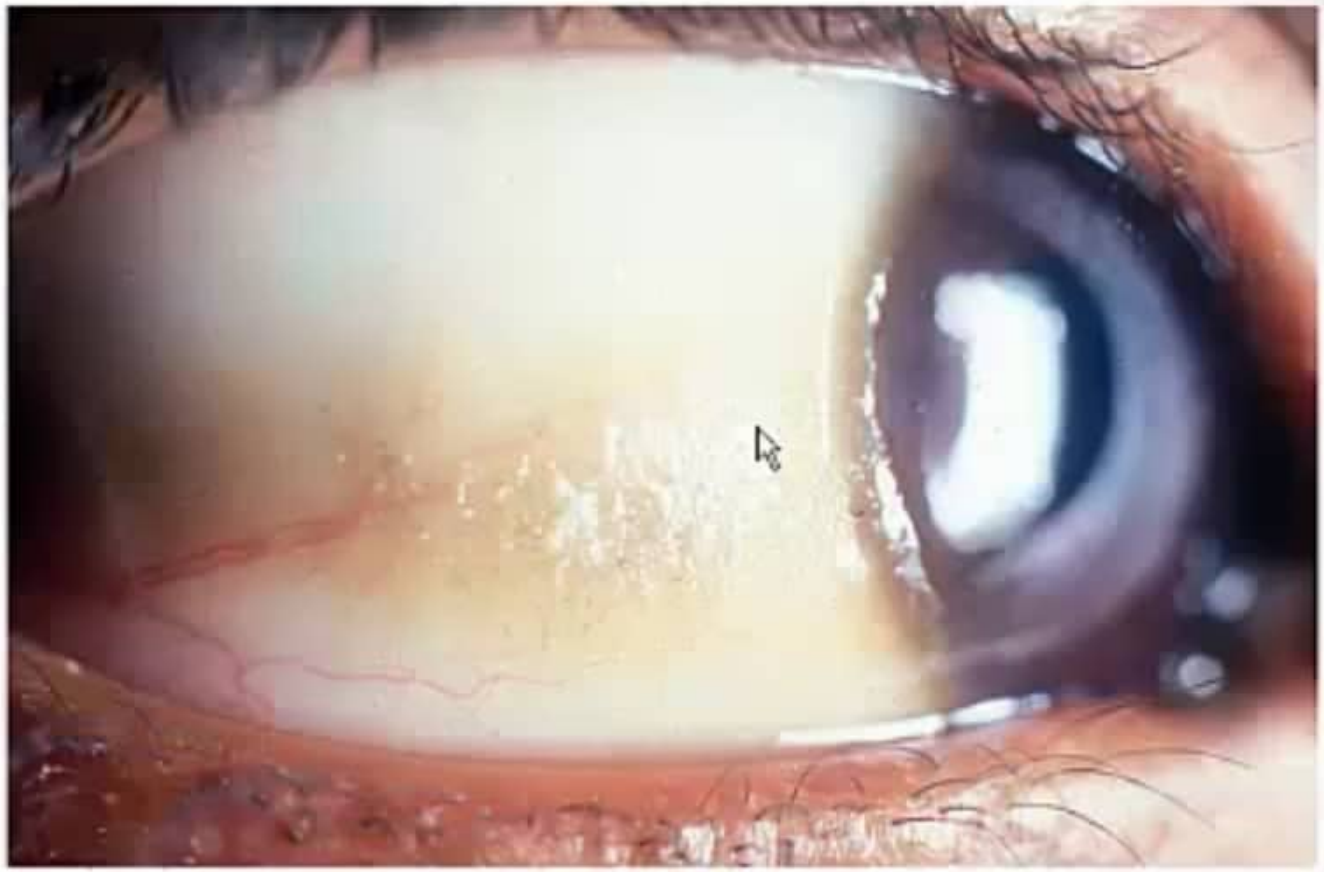

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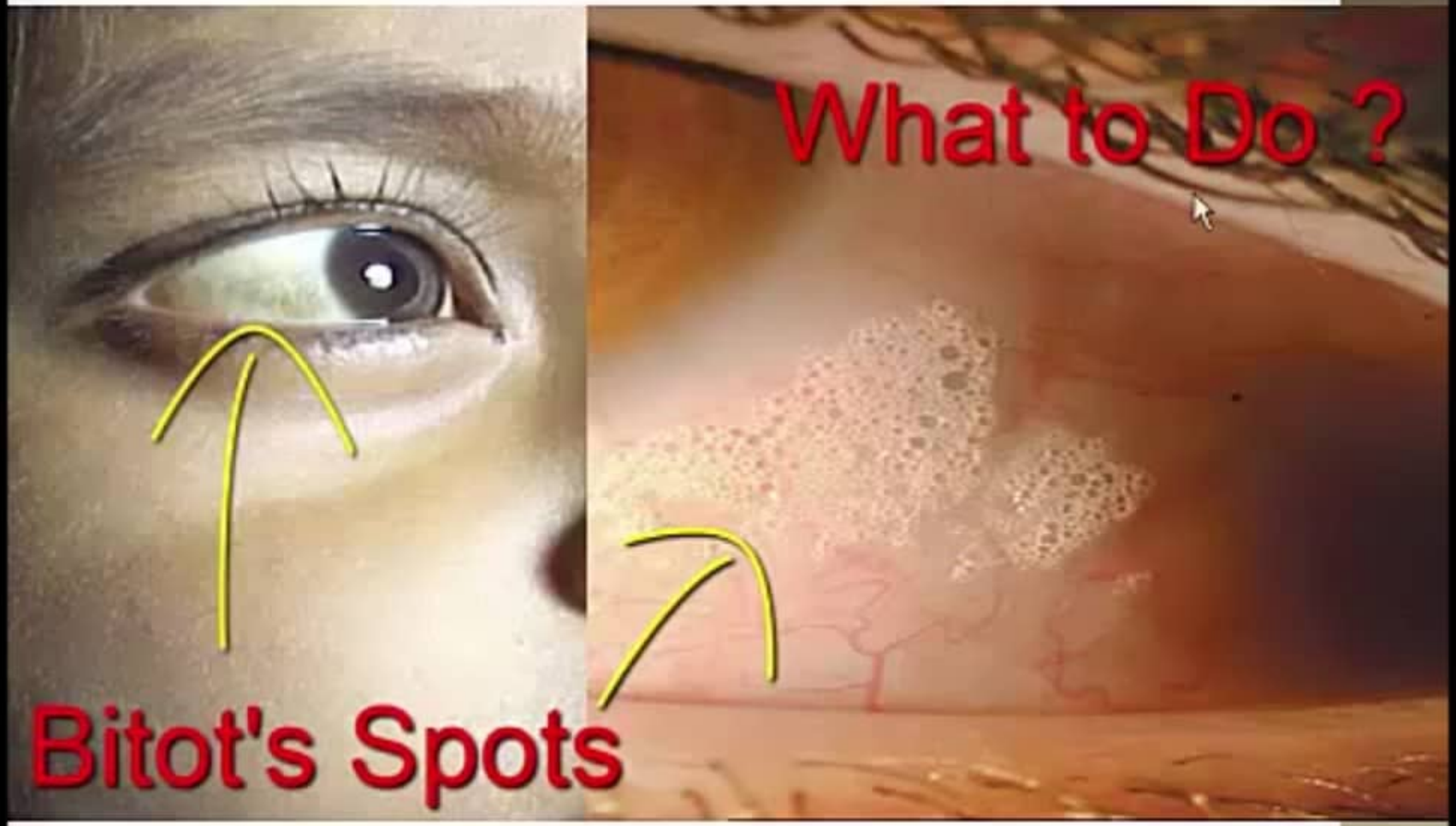

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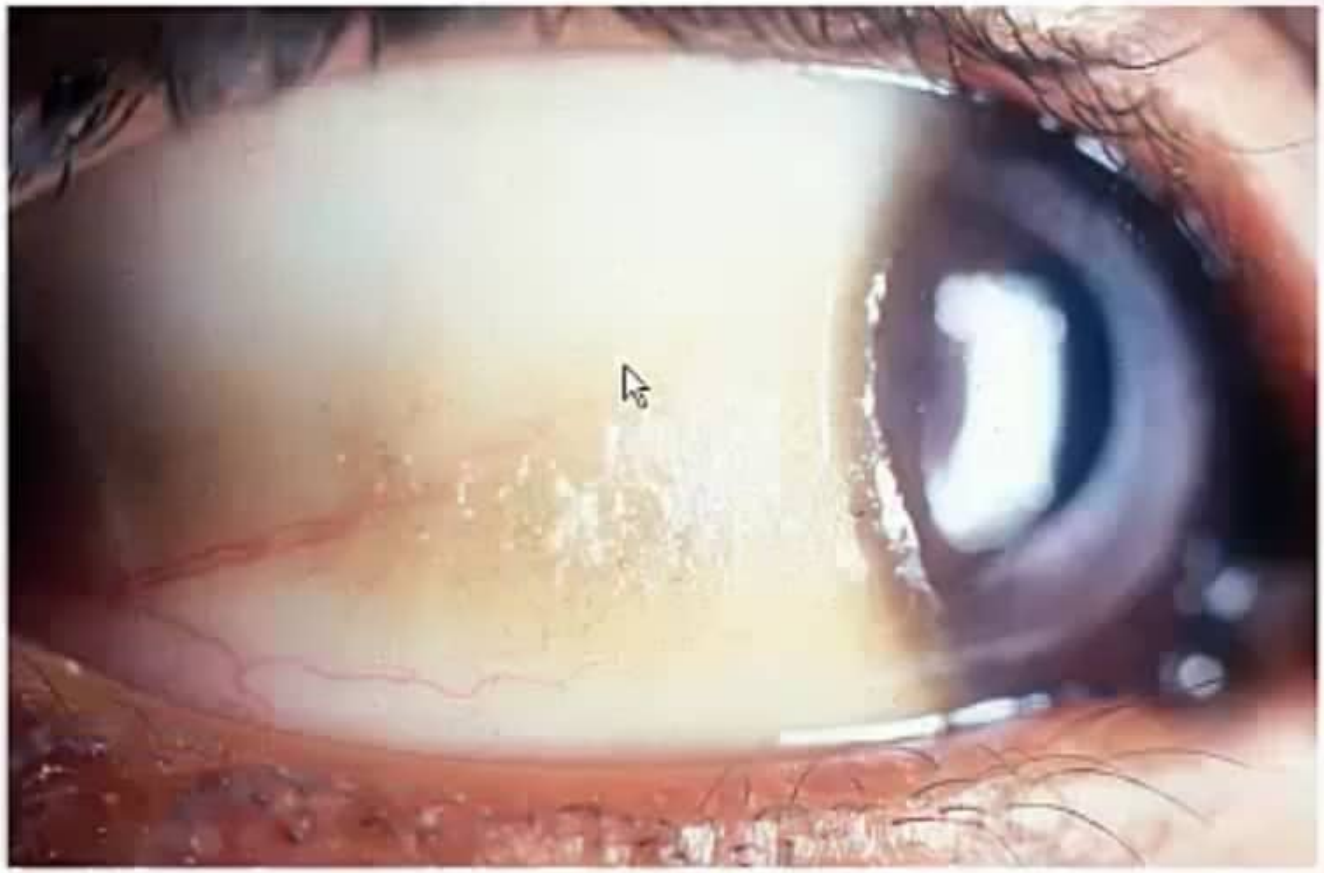

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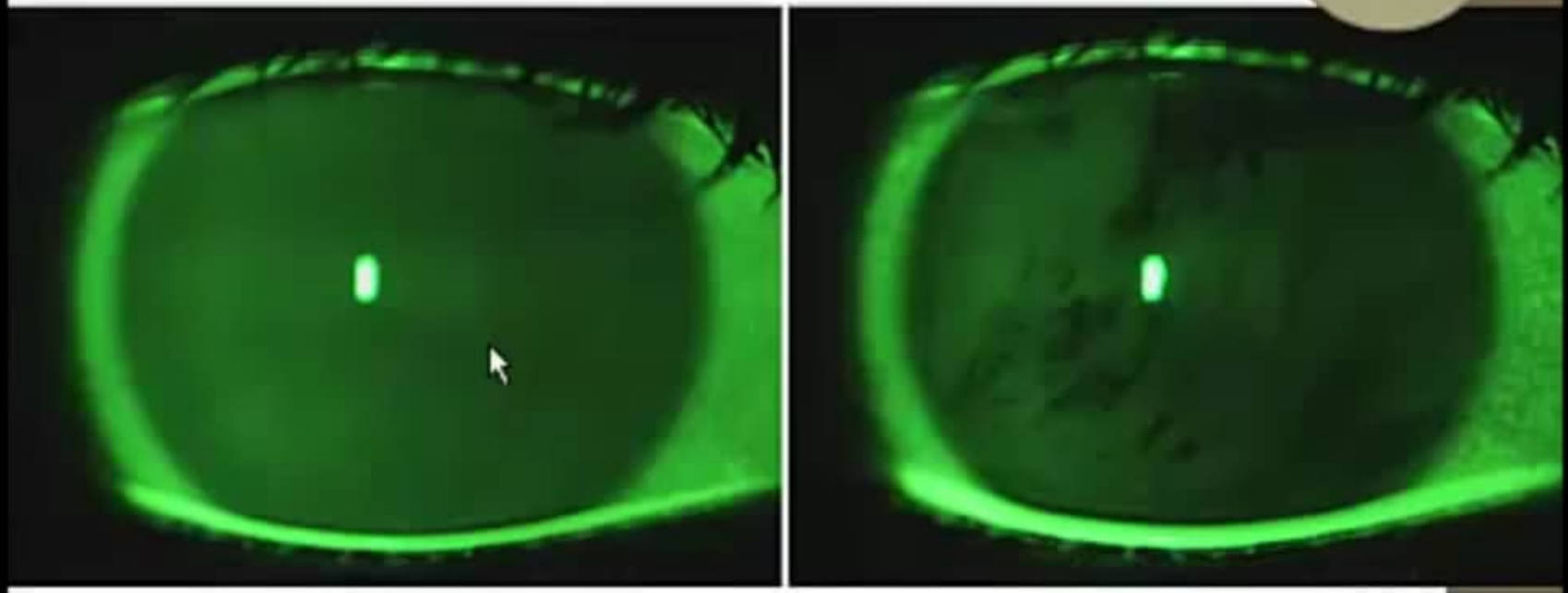
13



- What is this test?
- What is this test used for?

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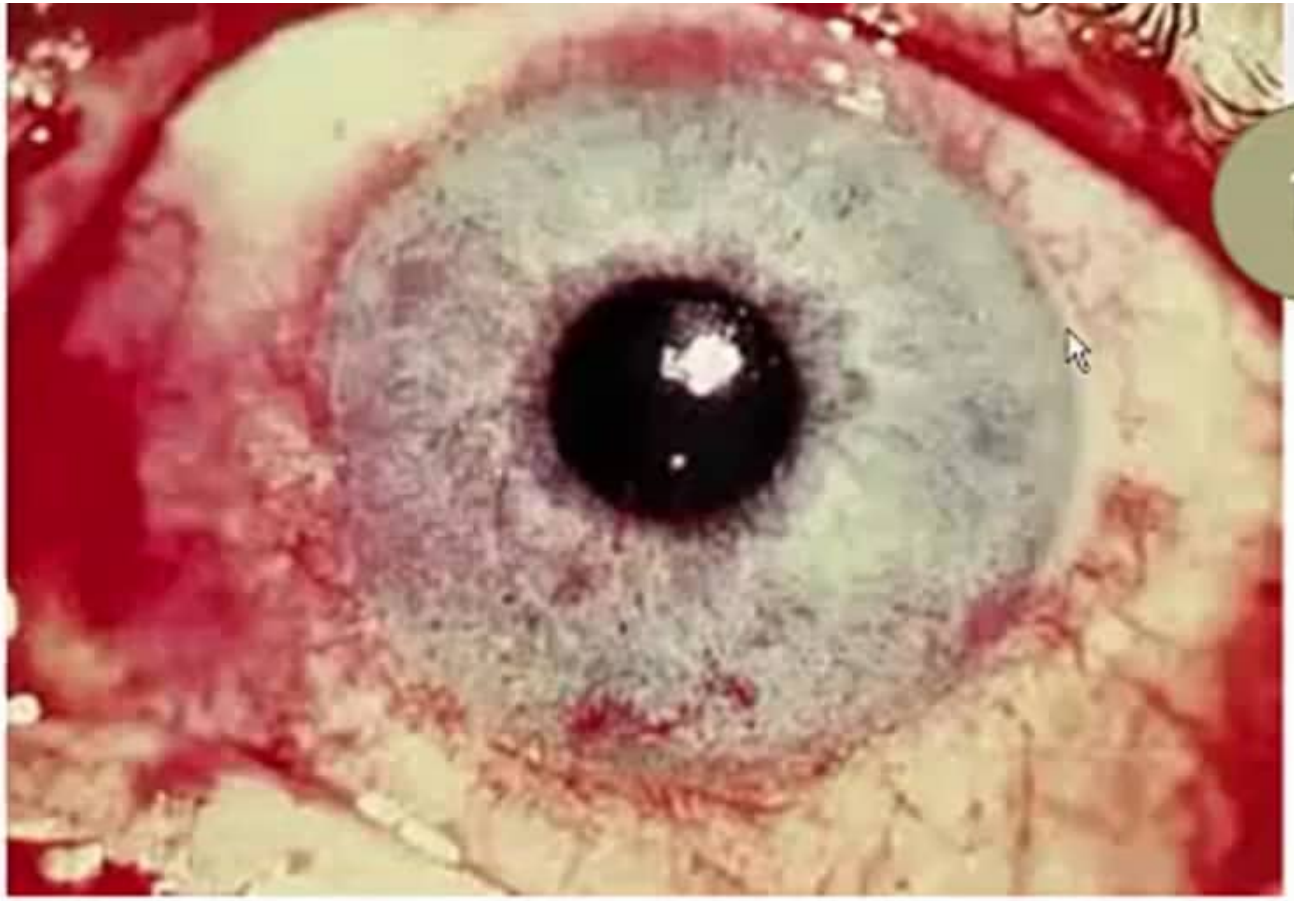

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- What is this stain?
- This stain used in dry eye to ……

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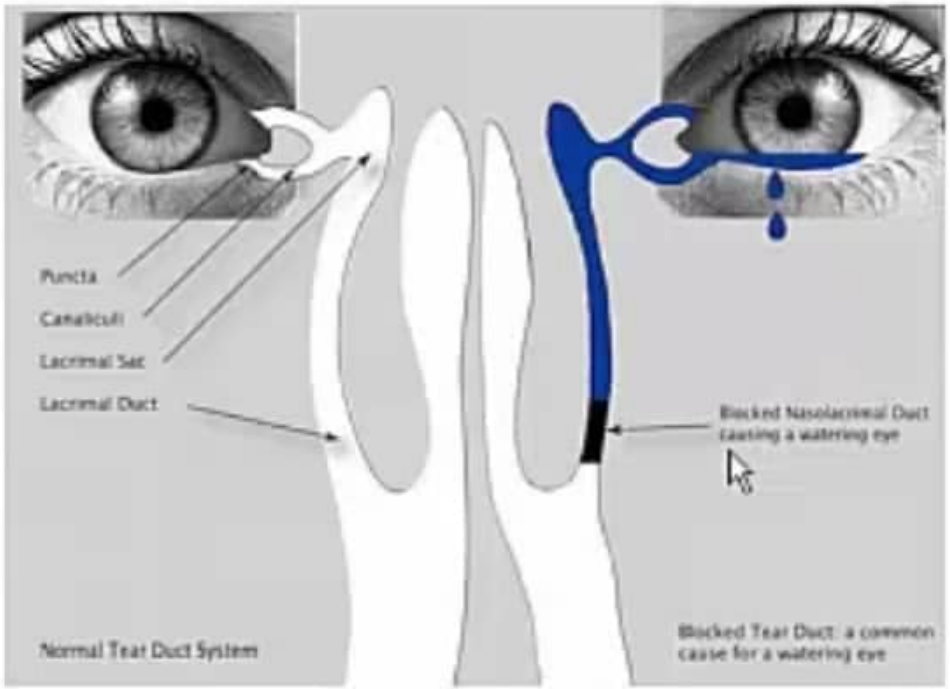

❖**What is the surgery of choice in NLDO?**

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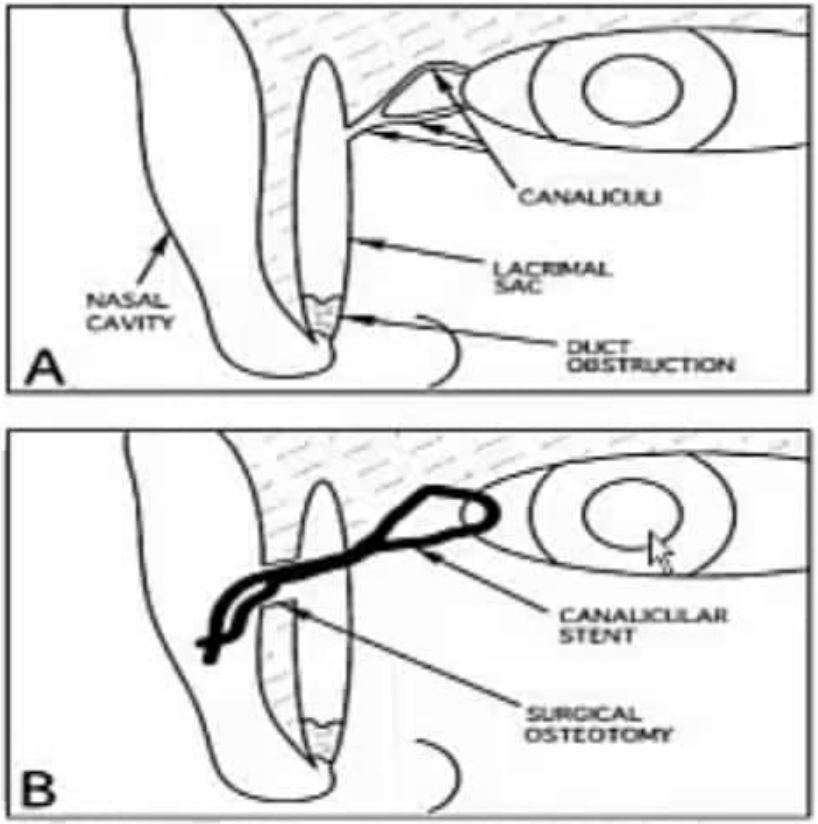

❖ **What are contraindication of DCR?**

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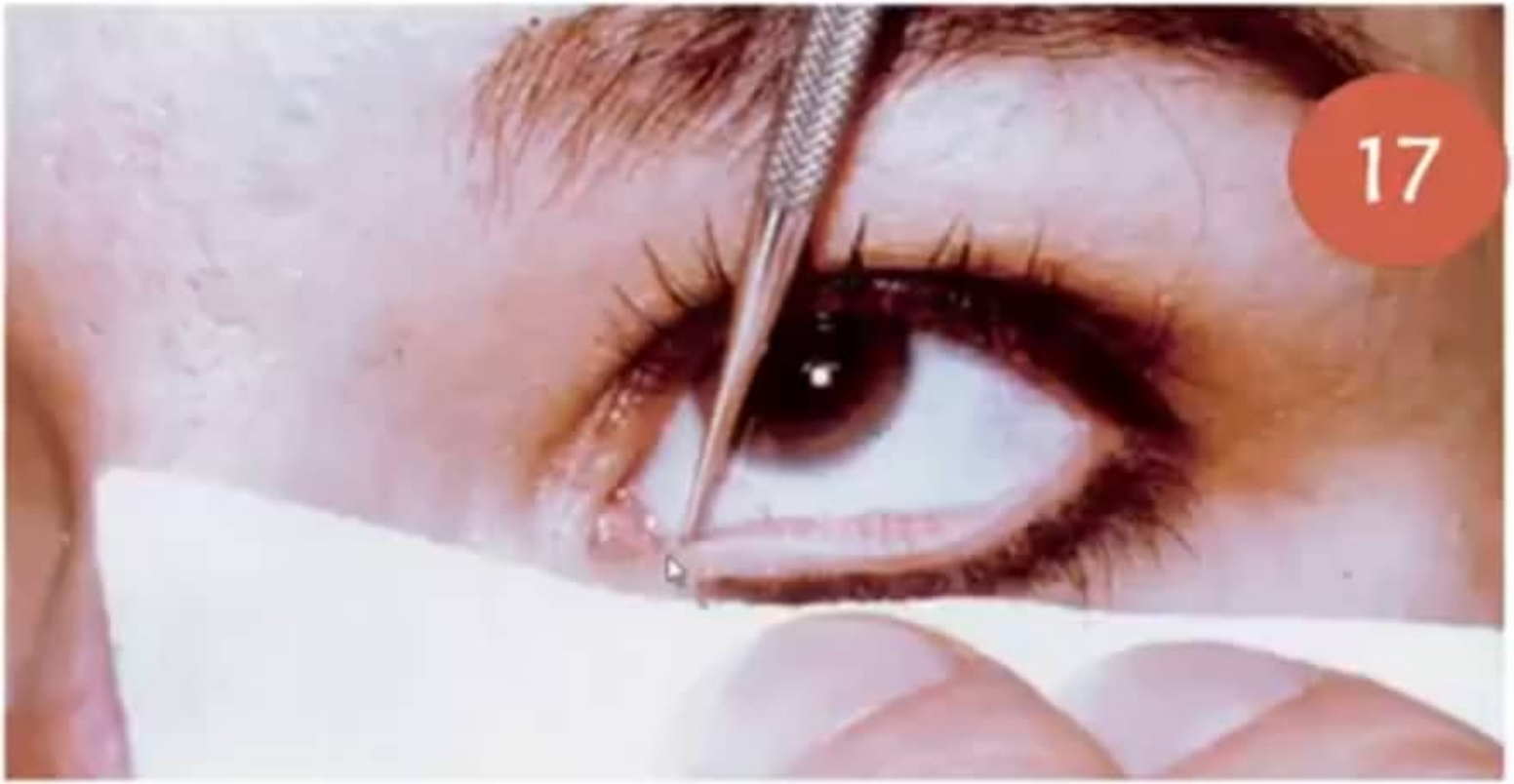

- What is this?
- What is use of this procedure?

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- What is this test?
- What is use of this test?

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- What is this test?
- What is use of this test?

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1. What is the name of this test?
2. It is helpful in diagnosis of what condition?

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21

What is this test?
What is use of this test?

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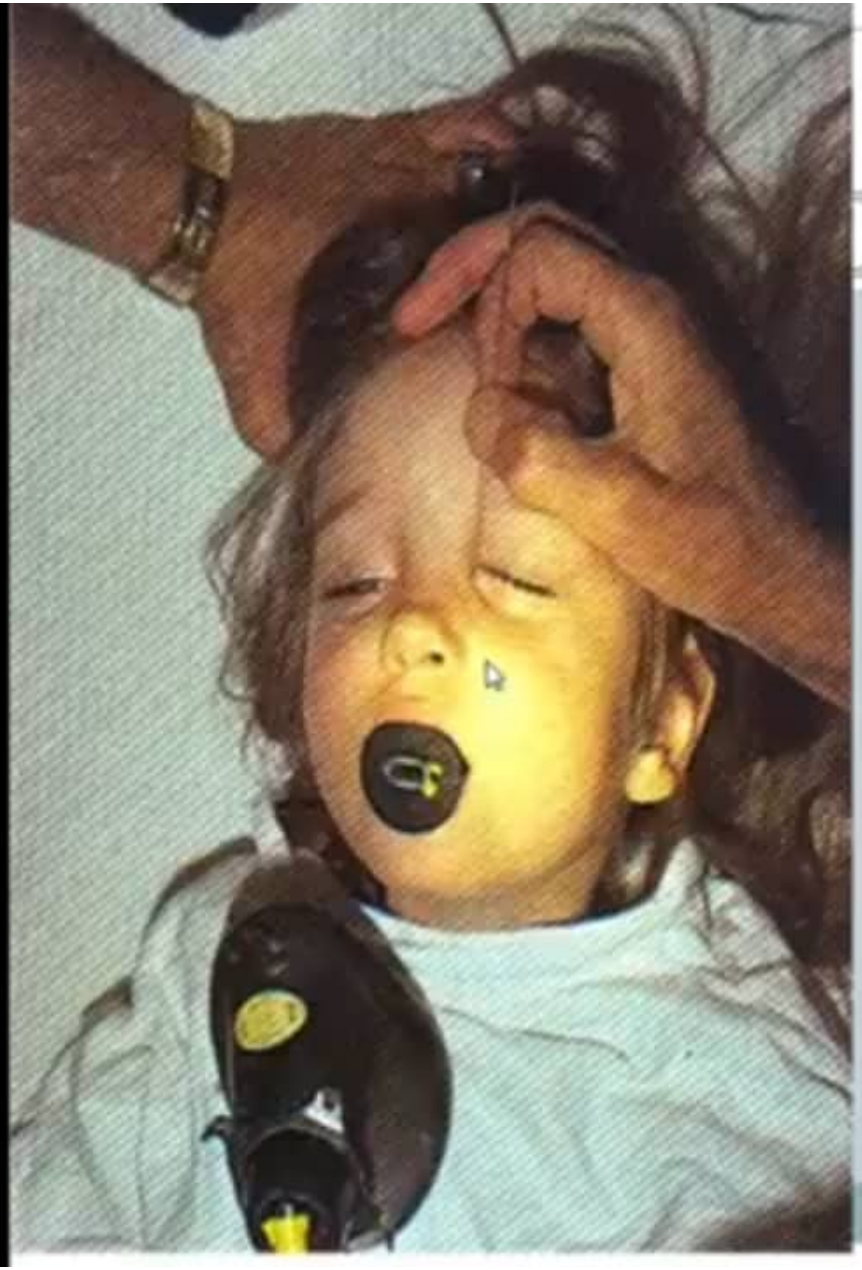

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How to manage baby with congenital NLD?

What is this step?

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23

- What is your diagnosis?
- What is this complication?

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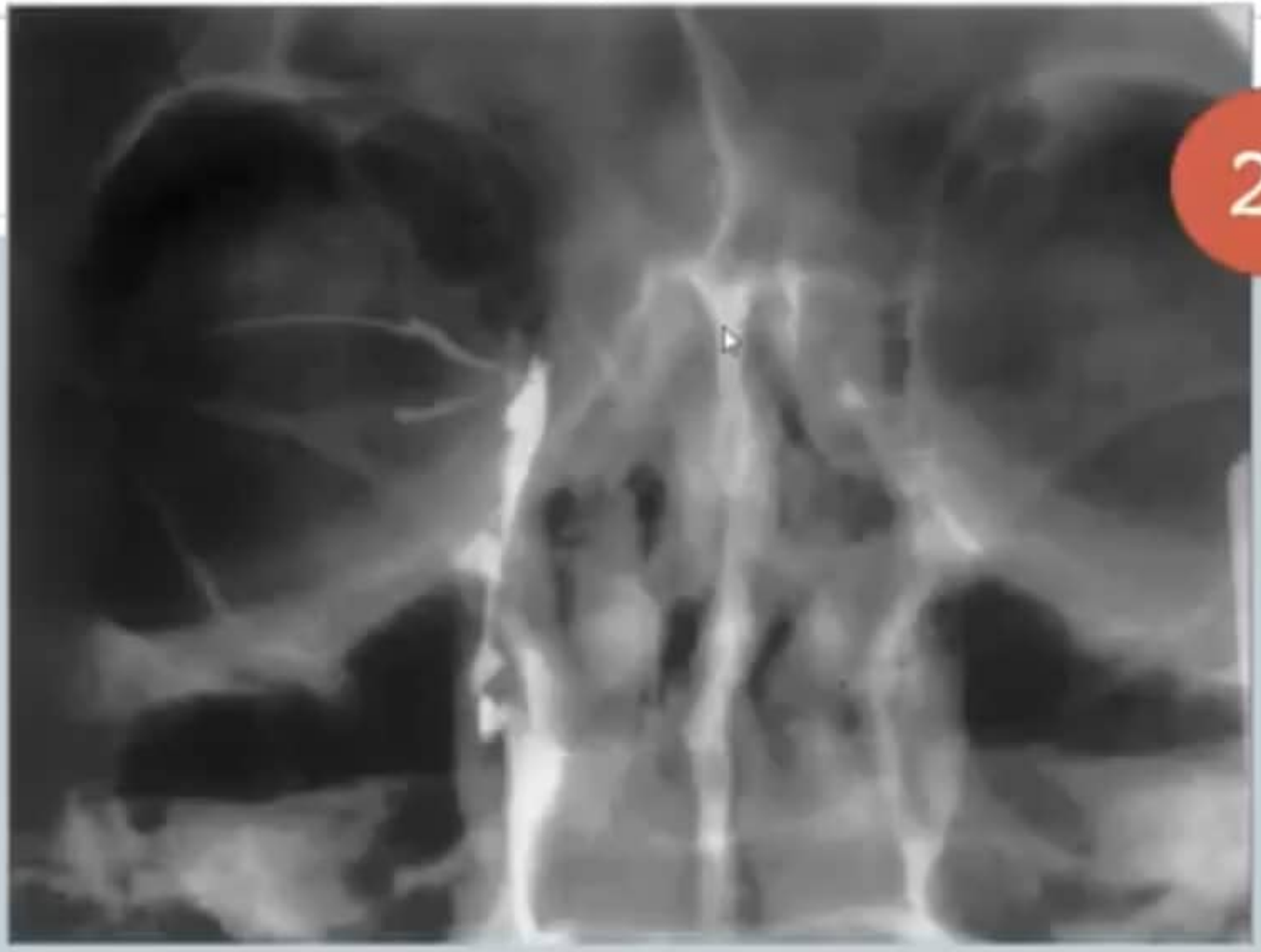

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- What is this test?
- What is use of this test?

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① • function of mucin layer :- change hydrophobic epithulim to hydrophilic
• function of lipid layer :- prevent evaporation of tear ② lubrication ③ prevent over flow of tear.
• function of watery layer :- ① protection ② nutration ③ optical (تمنع الالتهابات البسيطة)

② • Goblet Cells
• Meibomain glands
• Main , accessoray lacrimal gland.

③ • Schirmer test (>6 mm → dry eye)
• ① Trachoma ② Vit. A defecency ③ keratoconjunctivitis

④ • Dignosis of dry eye
• ① tear break up time test (used fluorcen) ② Schirmer test ③ Rose bengal.

⑤ • inferior meatus .
• ① Medical treatment :- in early cases (first 9 months of age)
a- Massage of the Sac toward the nose (3 time / day)
b- Topical antibiotics should only be given where there is clinical evidance of infection-

الواجب : .....

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2-Probing of the NLD:-

- Time of Probing :- 9 to 12 months after birth.
- indicated if the medical treatment fails.

3-Probing and silicone intubation:-

- indicated if repated probing is falied and in long standing Cases.
- Silicone tube is left for six months to one year.

4-Dacryocystorhinostomy (DCR):

- indicated if both Probing and Silicone intubation falis (wait unitle the child few years old)

(6) • ① Probing of the NLD ② DCR

(7) • Acute dacryocystitis
• ① Admission
② ABS
③ Analgisia
④ Antipyratic
⑤ After improve, do DCR

(8) • the same answer of 7

(9) Naso Lacrimal duct (NLD)

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موضوع الدرس: .....

التاريخ: / / ٢٠م

اليوم: ..... المواقف: / / ١٤هـ

Dacryocystitis :-

I Acute dacryocystitis :- it's an acute inflam. of Lacrmal Sac.

- Cause:- obstrction of the nasolacrimal system.
- Symp.:- Painful Swelling, rapid onset, short duration...
- Sign:- Redness, edematous, Hotness, Tenderness, enlarge LN.
- Comp.:- Lacrimal abscess, orbical cellulites, Cavenious v. Thrombosis
- Ht:- ① Sys. AB ② Dacryocystorrhinostomy (DCR)

II Chronic dacryocystitis:- Chronic inflam. of Lacrimal Sac.

- Pathogensis:- obstruction of nasolacrimal Canal → accumaltion of tears in Lacrimal Passage → Micro-organism → Mainfestation of chronic dacryocystitis (Pneumococcus is most organism)
- Symp.:- watering of the eye, Discharge, Painless Swelling, no general symptoms.
- Signs:- no redness, no hotness, no tender.
- Comp.:- ① Abscess ② Epiphoria ③ chronic Conjunctivitis ④ Hypopyon ulcer.
- Ht:- the same of Acute dacryocystitis.

DCR:- ① indicated if there is relativly healthy Sac, nose.
② DCR creats a direct Connection b/w lacrimal Sac, middle meatus of nasal Cavity by pass nasolacrimal duct via bone window.

- indication of dacryocystectomy :- Atrophy, fibrosis of Sac.
- Tumors of the lacrimal Sac.

الواجب: .....

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(10) • the same answer of 7

(11) • Acute Dacryocystitis
• the same answer of 5

(12) • Bitot's spot.
• Xerophthalmia (Dry eye)
• give Vit. A deficency

(13) • tear break up time test
• diagnosis dry eye
حيث عندما نضيع الدموع (tear) بالفلورسين معروف أنه يصبغ باللون البرتقالي كما في الصورة اليمنى ومن ثم نبدأ العد لو بدأ يرجع ~~[illegible]~~ الى اللون الطبيعي بعد ٥ ثانية فهذا الطبيعي وكلما لو وجدنا أنه رجع للون الطبيعي خلال ٥-٦ ثواني فهذا dry eye.

(14) • Rose bengal
• to assiste the Severity
to Confirm the diagnosis ملاحظة / الفلورسين تستخدم

(15) Dacryocystorinhostomy (DCR)

D.T.H

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16. ① Tumor or TB in Lacrimal Sac
② Atrophic rhinitis in nose

17. • dilatation and probing test.
• dilatation of Punctum.

18. • Syringing test
• Dignosis of NLDO , remove the obstruction

19. • Regurgiation test
• to detect of NLDO

20. • Schirmer test
• Dry eye

21. • Jones test
• to detecte obstrction of drainage system

22. • the same answer of 5
• Probing of the NLD.

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(23) • Acute Dacryocystitis

• ① Lacrimal abscess ② Orbical Cellites

③ ④ Fistula

(24) • Dacryocystography.

• to diecte of obstrction anel size of obstrction.

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